

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): A ~~control~~ method for controlling an electronically controlled thermostat comprising:

providing an actuator ~~that can be used for~~ configured to vary a valve-opening ratio so as to control a temperature of cooling-water control of to an internal combustion engine and that is capable of optionally varying the valve-opening ratio; and an engine control unit that computes configured to compute a target temperature by means of various based on engine parameters and distributes the to distribute a power distribution amount required to operate to the actuator so that the cooling water reaches the target temperature;

monitoring an actual temperature of the cooling water flowing out from a cooling water outlet of the internal combustion engine;

determining an amount of wherein the power distribution amount to be distributed to the actuator is determined by monitoring based on only the actual [[water]] temperature of the cooling water; and

distributing the amount of the power required to operate the actuator such that the temperature of the cooling water reaches the target temperature.

Claim 2 (currently amended): The ~~control~~ method for controlling an electronically controlled thermostat according to claim 1, further comprising reading a wherein the difference in a variation of the actual temperature of the cooling water cooling-water temperature variation per unit time is read and predicting the variation of the actual temperature of the cooling water cooling-water temperature variation is predicted in accordance with [[this]] the difference.

Claim 3 (currently amended): The ~~control~~ method for controlling an electronically controlled thermostat according to claim 1 or [[claim]] 2, wherein the providing further comprises providing a cooling fan disposed opposite a radiator for radiating [[the]] heat of the cooling water, ~~is provided~~; and [[the]] a rotational speed of the radiator cooling fan is controlled so that [[the]] a difference between the actual [[water]] temperature of the cooling water and a temperature of the cooling water temperature when the valve is fully open by the amount of the distribution of power distributed to the actuator or a temperature of the cooling water temperature when the valve is fully open in a state where the amount of the power distribution distributed to the actuator is cut [[is]] to zero.

Claim 4 (currently amended): The ~~control~~ method for controlling an electronically controlled thermostat according to claim 1, wherein the actuator [[is]] comprises a temperature sensor and a heater element installed in [[a]] the temperature sensor.

Claim 5 (currently amended): The ~~control~~ method for controlling an electronically controlled thermostat according to claim 1 or 2, wherein the actuator [[is]] comprises a valve and an electric motor ~~that drives~~ configured to drive the valve to [[the]] open/closed state.

Claim 6 (currently amended): A method for controlling a temperature of cooling water of an internal combustion engine, comprising:

providing an actuator configured to adjust an amount of the cooling water flowing to the internal combustion engine;

monitoring the temperature of the cooling water flowing out from a cooling water outlet of the internal combustion engine;

computing a target temperature based on engine parameters; and

controlling the actuator according to only the monitored temperature so that the temperature of the cooling water approaches the target temperature.

Claim 7 (currently amended): The ~~control~~ method for controlling an electronically controlled thermostat according to claim 2, wherein the actuator ~~comprises~~ comprises a temperature sensor and a heater element installed in ~~the~~ the temperature sensor.

Claim 8 (currently amended): The ~~control~~ method for controlling an electronically controlled thermostat according to claim 3, wherein the actuator ~~comprises~~ comprises a temperature sensor and a heater element installed in ~~the~~ the temperature sensor.

Claim 9 (new): The method for controlling a temperature of cooling water of an internal combustion engine according to claim 6, further comprising reading a difference in a variation of the temperature of the cooling water per unit time and predicting the variation of the temperature of the cooling water in accordance with the difference.

Claim 10 (new): The method for controlling a temperature of cooling water of an internal combustion engine according to claim 6, wherein the actuator comprises a temperature sensor and a heater element installed in the temperature sensor.

Claim 11 (new): The method for controlling a temperature of cooling water of an internal combustion engine according to claim 6 or 9, wherein the actuator comprises a valve and an electric motor configured to drive the valve to open/closed state.